

WO 2005/060457 A2

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/060457 A2

(51) International Patent Classification: **Not classified**

Circle, Palo Alto, CA 94306 (US). **LANDOLFI, Nicolas**,
F. [US/US]; 240 Gloria Circle, Palo Alto, CA 94306 (US).

(21) International Application Number:

PCT/US2004/037600

(74) Agent: **CHIANG, Robin, C.**; Howrey Simon Arnold & White, LLP, 2941 Fairview Park Drive, Box 7, Falls Church, VA 22042 (US).

(22) International Filing Date:

10 November 2004 (10.11.2004)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:

60/527,882 4 December 2003 (04.12.2003) US
PCT/US2004/014507 7 May 2004 (07.05.2004) US

(71) Applicant (*for all designated States except US*): **PROTEIN DESIGN LABS, INC. [US/US]**; 34801 Campus Drive, Fremont, CA 94555 (US).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: TREATMENT OF INFLAMMATORY BOWEL DISEASES WITH ANTI-IP-10 ANTIBODIES

[A] VH

HuAIP12	EVQLVQSGAE VVKPGATVKI SCKVSGYTF	CDR1 40
HuAIP13	EVQLVQSGAE VVKPGATVKI SCKVSGYTF	DYSMHWRQ
T551	EVQLVQSGAE VVKPGATVKI SCKVSGYTF	DYSMHWRQ
G104A	EVQLVQSGAE VVKPGATVKI SCKVSGYTF	DYSMHWRQ
HuAIP12	PGKGLKWMGW INTETGEPTY ADDFKGRPTF	CDR2 80
HuAIP13	PGKGLKWMGW INTETGEPTY ADDFKGRPTF	TLDTSTSTAY
T551	PGKGLKWMGW INTETGEPTY ADDFKGRPTF	TLDTSTSTAY
G104A	PGKGLKWMGW INTETGEPTY ADDFKGRPTF	TLDTSTSTAY
HuAIP12	MELSSLRSED TAVYYCARNY DYDGYPDVWG	CDR3 119
HuAIP13	MELSSLRSED TAVYYCARNY DYDAYFDVWG	QGTTTVTVSS
T551	MELSSLRSED TAVYYCARNY DYDGYPDVWG	QGTTTVTVSS
G104A	MELSSLRSED TAVYYCARNY DYDAYFDVWG	QGTTTVTVSS

[B] VL

HuAIP12	DIQMTQSPSS LSASVGDRVT ITCKASQDIN KYIAWYQQKP	CDR1 40
HuAIP13	DIQMTQSPSS LSASVGDRVT ITCKADQDIN KYIAWYQQKP	QGTTTVTVSS
HuAIP12	GRAPKLLIHY TSTLQPGIPS RPSGSGSGRD YTFTISSLQP	CDR2 80
HuAIP13	GRAPKLLIHY TSTLQPGIPS RPSGSGSGRD YTFTISSLQP	QGTTTVTVSS
HuAIP12	EDIATYYCLQ YDNLNFTPGQ GTKLEIK	CDR3 107
HuAIP13	EDIATYYCLQ YDNLNFTPGQ GTKLEIK	QGTTTVTVSS

Alignment of the VH (A) and VL (B) amino acid sequences of HuAIP12, its derivatives (in A), and HuAIP13. The amino acid sequences of the mature VH and VL regions are shown in single letter code. Amino acids that differ from the counterparts in the HuAIP12 VH or VL are bold and double-underlined.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*